

GAU 2779



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Robert Groover III, *Reg'd Patent Atty.*

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September 21, 2000

Commissioner of Patents

Washington DC 20231

Re: Patent App'n SN

**09/133,741** filed 08/13/1998,

of Baldwin, entitled "Improved  
Triangle Clipping for 3D

Graphics" (Atty Docket No. TD-143)

I certify that this correspondence, including the attachments listed,  
is being deposited with the United States Postal Service as First Class  
Mail in an envelope addressed to Commissioner of Patents and  
Trademarks, Washington DC 20231, on the date shown below.

9/21/2000  
Date of Mailing

Sarah Rau  
Signature

Honorable Commissioner:

Enclosed is an Amendment and (if checked):

- ☐ drawing corrections
- ☐ Information Disclosure Statement (with Form PTO-1449 and copies of cited references)
- ☐ certified copy of the priority application
- ☐ Rule 132 Declaration
- ☐ Terminal Disclaimer

in connection with the U.S. Patent Application referenced above. No extension of time or other  
fee is believed to be due; but any necessary extension of time is hereby requested, and any  
necessary fee may be charged to Deposit Account 07-2320.

Respectfully submitted,

Patrick Holmes

Patrick Holmes, Reg.No. 46,380

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Baldwin

Serial No. 09/133,741

Filed: 08/13/1998

For: Improved Triangle Clipping for 3D Graphics

:

: Art Unit: 2779

: Examiner: Thu Nguyen

: Atty's Docket: TD-143

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AMENDMENT

Honorable Commissioner of Patents and Trademarks  
Washington, DC 20231

Sir:

In response to the Office Action dated 06/21/00, the following amendments and remarks are respectfully submitted. As specified in the attached cover sheet, any extension of time necessary to prevent abandonment has been requested, and any fee necessary for consideration of this paper has been authorized to be charged to Deposit Account Number 07-2320.

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IN THE CLAIMS

Please amend the claims as follows:

16. (AMENDED) A geometry unit, comprising:

circuitry to define all vertices of a primitive using relational coordinates;

circuitry to implement a clipping algorithm with a circular buffer to store input and output polygons of said primitive; and

circuitry to set an outcode value for each said vertex indicating whether it is visible with respect to [each of] individual planes of said view volume.